

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	266	((prevent\$3   denial   denied   denying) SAME (transm\$4   transfer\$4   send\$   sent)) AND ((mark\$3   tag\$4) WITH (data   information)) AND tamper\$3 AND (726/2, 16,26,27,34-36.ccls.   713/189,193,194. ccls.   380/59.ccls.   705/63.ccls.   340/500,540-542,545.1-545.9,547-552, 555-557,561-567,568.1-568.3,568.4,568.8. ccls.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/25 16:59
L2	204	(meter\$3   utilit\$3   power) AND ((prevent\$3   denial   denied   denying) SAME (transm\$4   transfer\$4   send\$   sent)) AND ((mark\$3   tag\$4) WITH (data   information)) AND tamper\$3 AND (726/2, 16,26,27,34-36.ccls.   713/189,193,194. ccls.   380/59.ccls.   705/63.ccls.   340/500,540-542,545.1-545.9,547-552, 555-557,561-567,568.1-568.3,568.4,568.8. ccls.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/25 17:00
L3	188	manag\$5 AND (meter\$3   utilit\$3   power   energy) AND ((prevent\$3   denial   denied   denying) SAME (transm\$4   transfer\$4   send\$   sent)) AND ((mark\$3   tag\$4) WITH (data   information)) AND tamper\$3 AND (726/2,16,26,27,34-36.ccls.   713/189,193,194.ccls.   380/59.ccls.   705/63.ccls.   340/500,540-542,545.1-545.9,547-552,555-557,561-567,568.1-568.3,568.4,568.8.ccls.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/25 17:02
L4	5	"7007171".pn.   "20020002683".pn.	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/25 17:09
S1	343	("713/194".ccls.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:37
S2	26574	("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:43

## EAST Search History

S3	2	"6118269".pn.	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 11:15
S5	1	WO-2004017077-A1	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 11:15
S6	1	US-20030110302-A1	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 11:18
S7	2	US-20030081790-A1	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 11:18
S8	5	"6061451".pn.	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 11:18
S9	1	WO-2003107585-A1	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 11:19
S11	1	WO-2003107153-A2	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 11:19
S12	1	WO-2003107296-A2	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 11:20
S13	1	WO-200133801-A2	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 11:20
S14	1	WO-200042731-\$	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 11:21

## EAST Search History

S15	10	seal AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713/194".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:40
S16	41	(certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713/194".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:42
S17	30	certificate AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713/194".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:43
S18	179	seal AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:44
S20	691	data AND network AND memory AND processor AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:45
S21	499	(detect OR detected OR detection) AND data AND network AND memory AND processor AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:53
S22	362	integrity AND (detect OR detected OR detection) AND data AND network AND memory AND processor AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:57

## EAST Search History

S23	349	(transmission OR transmit OR transmitted OR transmitting) AND integrity AND (detect OR detected OR detection) AND data AND network AND memory AND processor AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:58
S24	146	public key encryption AND (transmission OR transmit OR transmitted OR transmitting) AND integrity AND (detect OR detected OR detection) AND data AND network AND memory AND processor AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:58
S25	150	public key encryption AND (transmission OR transmit OR transmitted OR transmitting) AND (integrity OR check sum OR "CRC") AND (detect OR detected OR detection) AND data AND network AND (memory OR storage) AND processor AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 13:59
S26	149	message AND public key encryption AND (transmission OR transmit OR transmitted OR transmitting) AND (integrity OR check sum OR "CRC") AND (detect OR detected OR detection) AND data AND network AND (memory OR storage) AND processor AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 14:00

## EAST Search History

S27	149	(message OR notification) AND public key encryption AND (transmission OR transmit OR transmitted OR transmitting) AND (integrity OR check sum OR "CRC") AND (detect OR detected OR detection) AND data AND network AND (memory OR storage) AND processor AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd< "20030331" or @ad< "20030331" or @prad< "20030331" or @rlad< "20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 14:00
S28	149	(message OR notification OR warning) AND public key encryption AND (transmission OR transmit OR transmitted OR transmitting) AND (integrity OR check sum OR "CRC") AND (detect OR detected OR detection) AND data AND network AND (memory OR storage) AND processor AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd< "20030331" or @ad< "20030331" or @prad< "20030331" or @rlad< "20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 14:00
S29	149	(generate OR generated OR generating) AND (message OR notification OR warning) AND public key encryption AND (transmission OR transmit OR transmitted OR transmitting) AND (integrity OR check sum OR "CRC") AND (detect OR detected OR detection) AND data AND network AND (memory OR storage) AND processor AND (certificate OR signature) AND (tamper OR tampering OR tampered OR intrusion) AND private key AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd< "20030331" or @ad< "20030331" or @prad< "20030331" or @rlad< "20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/13 14:01
S30	8	"4804957".pn. OR "6118269".pn. OR "6157721".pn. OR "5978475".pn.	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 14:00
S31	9	"4804957".pn. OR "6118269".pn. OR "6801865".pn. OR "5978475".pn.	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 14:00

## EAST Search History

S32	8189	(ransom.in.   etheridge.in.   harding.in.   hirschbold.in.   koster.in.   lightbody.in.)	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/17 08:42
S33	19	(ransom.in.   etheridge.in.   harding.in.   hirschbold.in.   koster.in.   lightbody.in.) AND "713".clas.	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/17 08:43
S34	15	(ransom.in.   etheridge.in.   harding.in.   hirschbold.in.   koster.in.   lightbody.in.) AND "726".clas.	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/17 08:43
S35	9	(ransom.in.   etheridge.in.   harding.in.   hirschbold.in.   koster.in.   lightbody.in.) AND "380".clas.	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/17 08:43
S36	3	(ransom.in.   etheridge.in.   harding.in.   hirschbold.in.   koster.in.   lightbody.in.) AND energy AND management AND tamper AND prevention AND protective	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/17 08:45
S37	1378	protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/17 08:48
S38	36	protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND ("713/194".cols.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/17 08:48
S39	18	detect\$3 AND protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND ("713/194".cols.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/12 16:59
S40	33	key AND protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND ("713/194".cols.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/12 17:01

## EAST Search History

S41	13	certificate AND key AND protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND ("713/194".cols.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/12 17:08
S42	152	certificate AND key AND protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND ("713".clas.   "726".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/12 17:13
S43	137	(transmi\$4   transfer\$4   send\$   sent) AND (delet\$3   remov\$3   invalid\$5) AND certificate AND key AND protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND ("713".clas.   "726".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/12 17:15
S44	202	(transmi\$4   transfer\$4   send\$   sent) AND (delet\$3   remov\$3   invalid\$5) AND certificate AND key AND protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND ("713".clas.   "726".clas.   "705".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/12 17:20
S45	442	(transmi\$4   transfer\$4   send\$   sent) AND (delet\$3   remov\$3   invalid\$5) AND certificate AND key AND protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND ("713".clas.   "726".clas.   "705".clas.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/12 17:22
S46	288	(transmi\$4   transfer\$4   send\$   sent) AND (delet\$3   remov\$3   invalid\$5) AND certificate AND key AND protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND ("713/194".cols.   "705/63".cols.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/12 17:23
S47	30	(transmi\$4   transfer\$4   send\$   sent) AND (delet\$3   remov\$3   invalid\$5) AND certificate AND key AND protect\$3 AND detect\$3 AND (meter   utility   energy management) AND tamper AND ("713/194".cols.   "705/63".cols.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/12 17:25

## EAST Search History

S48	2	"6529883".pn.	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/12 17:29
S49	465	((delet\$3   remov\$3   invalid\$5) AND (certificate   key) AND tamper\$3 AND ("713/167,193".cls.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 13:45
S50	233	((delet\$3   remov\$3   invalid\$5   eras\$3) WITH (certificate   key)) AND tamper\$3 AND ("713/167,193".cls.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 13:45
S51	161	(((delet\$3   remov\$3   invalid\$5   eras\$3) WITH (certificate   key)) SAME (memory   stor\$3)) AND tamper\$3 AND ("713/167,193".cls.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 13:47
S52	212	(((delet\$3   remov\$3   invalid\$5   eras\$3) WITH (certificate   key)) SAME (memory   stor\$3)) AND tamper\$3 AND ("713/167,193,194".cls.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 13:49
S53	96	((seal   enclosure   cover   cage) AND (((delet\$3   remov\$3   invalid\$5   eras\$3) WITH (certificate   key)) SAME (memory   stor\$3)) AND tamper\$3 AND ("713/167,193,194".cls.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 13:51
S54	56	((seal   enclosure   cover   cage) WITH (tamper\$3   access\$3   modif\$7)) AND (((delet\$3   remov\$3   invalid\$5   eras\$3) WITH (certificate   key)) SAME (memory   stor\$3)) AND tamper\$3 AND ("713/167,193,194".cls.) AND (@pd<"20030331" or @ad<"20030331" or @prad<"20030331" or @rlad<"20030331")	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 13:58
S55	2	"4804957".pn.	US-PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 14:02

## EAST Search History

S56	491	(mark\$3   tag\$4) AND tamper\$3 AND ("713/167,193,194".cds.) AND (@pd< "20030331" or @ad< "20030331" or @prad< "20030331" or @rlad< "20030331")	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 14:25
S57	476	(transmi\$4   transfer\$4   send\$   sent) AND (mark\$3   tag\$4) AND tamper\$3 AND ("713/167,193,194".cds.) AND (@pd< "20030331" or @ad< "20030331" or @prad< "20030331" or @rlad< "20030331")	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 14:26
S58	244	(transmi\$4   transfer\$4   send\$   sent) AND ((mark\$3   tag\$4) WITH (data   information)) AND tamper\$3 AND ("713/167,193,194".cds.) AND (@pd< "20030331" or @ad< "20030331" or @prad< "20030331" or @rlad< "20030331")	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 14:26
S59	139	((prevent\$3   denial   denied   denying) SAME (transmi\$4   transfer\$4   send\$   sent)) AND ((mark\$3   tag\$4) WITH (data   information)) AND tamper\$3 AND ("713/167,193,194".cds.) AND (@pd< "20030331" or @ad< "20030331" or @prad< "20030331" or @rlad< "20030331")	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 14:27
S60	2	(ransom.in.   etheridge.in.   harding.in.   hirschbold.in.   koster.in.   lightbody.in.) AND key.clm. AND tamper.clm.	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 14:34
S61	1	(ransom.in.   etheridge.in.   harding.in.   hirschbold.in.   koster.in.   lightbody.in.) AND certificate.clm. AND tamper.clm.	US_PGPUB; USPAT; USOOR; EPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 14:37